

Form PTO-948 (Rev. 10-94)

U.S. DEPARTMENT OF COMMERCE - Patent and Trademark Office

Application No. 69077

## NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

PTO Draftpersons review all originally filed drawings regardless of whether they are designated as formal or informal. Additionally, patent Examiners will review the drawings for compliance with the regulations. Direct telephone inquiries concerning this review to the Drawing Review Branch, 703-305-8404.

The drawings filed (insert date) 8/1/96, are not objected to by the Draftperson under 37 CFR 1.84 or 1.152, excepted to by the Draftperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawings must be submitted according to the instructions on the back of this Notice.

1. DRAWINGS. 37 CFR 1.84(a). Acceptable categories of drawings:
  - Black ink. (Yes)
  - Not black solid lines. (Yes)
  - Color drawings are not acceptable and position is printed. (Yes)
2. PHOTOGRAPHY. 37 CFR 1.84(b)
  - Photographs are not acceptable until printed is granted. (Yes)
  - Photographs not properly annotated (must use halftone board or photographic double-weight paper). (Yes)
  - Low quality (shell-thin). (Yes)
3. GRAPHIC FORMS. 37 CFR 1.84(c)
  - Chemical or mathematical formulae not labeled as separate figure. (Yes)
  - Group of material not presented as a single figure, using common vertical axis with line extending along horizontal axis. (Yes)
  - Individuals uniform not identified with a separate letter designation adjacent to the vertical axis. (Yes)
4. TYPE OF PAPER. 37 CFR 1.84(d)
  - Paper not flexible, strong, white, smooth, unglazed, and durable. (Yes)
  - Embosses, alterations, corrections, cancellations, cracks, creases, Mylar, return paper is not acceptable (two blank). (Yes)
5. SIZE OF PAPER. 37 CFR 1.84(e). Acceptable sizes:
  - 21.6 cm. by 35.6 cm. (8 1/2 by 14 inches)
  - 21.6 cm. by 34.3 cm. (8 1/2 by 13 inches)
  - 21.6 cm. by 27.9 cm. (8 1/2 by 11 inches)
  - 21.6 cm. by 29.7 cm. (8 1/2 by 11 inches)
  - All drawing sheets on the same size. (Yes)
  - Tracing sheet not an acceptable size. (Yes)
6. MARGINS. 37 CFR 1.84(f). Acceptable margins:
 

Paper size			
21.6 cm X 35.6 cm (8 1/2 X 14 inches)	21.6 cm X 34.3 cm (8 1/2 X 13 inches)	21.6 cm X 27.9 cm (8 1/2 X 11 inches)	21.6 cm X 29.7 cm (8 1/2 X 11 inches)
6.22 X 14 inches (8 1/2 X 14 inches)	6.22 X 13 inches (8 1/2 X 13 inches)	6.22 X 11 inches (8 1/2 X 11 inches)	6.22 X 11 inches (8 1/2 X 11 inches)
Y 5.4 cm (2 1/8)	Y 5.4 cm (2 1/8)	Y 5.4 cm (2 1/8)	Y 5.4 cm (2 1/8)
L 6.4 cm (1 1/4)	L 6.4 cm (1 1/4)	L 6.4 cm (1 1/4)	L 6.4 cm (1 1/4)
R 6.4 cm (1 1/4)	R 6.4 cm (1 1/4)	R 6.4 cm (1 1/4)	R 6.4 cm (1 1/4)
B 6.4 cm (1 1/4)	B 6.4 cm (1 1/4)	B 6.4 cm (1 1/4)	B 6.4 cm (1 1/4)

Margins of not less than:
 

Top (T)	Bottom (B)
Left (L)	Right (R)

7. VIEWS. 37 CFR 1.84(g)
  - REMARKS: Specification may require revision to correspond to drawing changes.
  - All views not grouped together. (Yes)
  - Views connected by projection lines or lead lines. (Yes)
  - Partial views. 37 CFR 1.84(h)(2)

- View and enlarged view not labeled separately or properly. (Yes)
- Sectional views. 37 CFR 1.84(i)(3)
- Lead lines not indicated for sectional portions of an object. (Yes)
- Cross section not drawn with a view with part in cross section with regularly spaced parallel oblique hatching. (Yes)
8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(h)
  - Views do not appear on a horizontal, left-to-right layout when page is either upright or turned so that the top becomes the right side, except for graphs. (Yes)
9. SCALE. 37 CFR 1.84(j)
  - Scale not large enough to show mechanism with cross-hatching when drawing is reduced in size to two-thirds in reproduction. (Yes)
  - Indication such as "actual size" or "scale 1/2" not permitted. (Yes)
10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(k)
  - Lines, numbers & letters not uniformly thick and well defined (clean, double, and black (except for color drawings)). (Yes)
11. SHADING. 37 CFR 1.84(l)
  - Solid black shading areas not permitted. (Yes)
  - Shade lines, pencil, rough and horizontal. (Yes)
12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(m)
  - Numbers and reference characters not plain and legible. 37 CFR 1.84(m)(1) (Yes)
  - Numbers and reference characters not oriented in same direction as the view. 37 CFR 1.84(m)(2) (Yes)
  - Legible alphabet not used. 37 CFR 1.84(m)(3) (Yes)
  - Numbers, letters, and reference characters do not intrude at least .32 cm (1/8 inch) from edge of drawing. (Yes)
13. LEAD LINES. 37 CFR 1.84(n)
  - Lead lines cross each other. (Yes)
  - Lead lines missing. (Yes)
14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(o)
  - Sheets not numbered consecutively, and in Arabic numeral, beginning with number 1. (Yes)
  - View numbers not preceded by the abbreviation Fig. (Yes)
15. NUMBER OF VIEWS. 37 CFR 1.84(p)
  - Views not numbered consecutively, and in Arabic numeral, beginning with number 1. (Yes)
16. CORRECTIONS. 37 CFR 1.84(q)
  - Correction not made from page PTO-948. (Yes)
17. DESIGN DRAWING. 37 CFR 1.152
  - Surface shading shown not appropriate. (Yes)
  - Solid black shading not used for color contrast. (Yes)

COMMENTS: